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KOJIMA, MARI
UEDA, YOICHI
MARUYAMA, JUN-ICHI
KITAMOTO, KATSUHIKO

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Asn	Val	Leu	Ser	Gln	Thr	Val	Ala	Asn	Ser	Phe	Phe	Val	Ser	Ser	Asp	
				370				375						380		
gtc	atc	cat	gcg	gtc	aat	ccg	aac	ttc	ctt	ggt	gtc	tat	ctt	gag	aac	1263
Val	Ile	His	Ala	Val	Asn	Pro	Asn	Phe	Leu	Gly	Val	Tyr	Leu	Glu	Asn	
			385				390						395			
cat	gct	ccc	cgt	ctg	aac	gtc	ggt	gtg	gcc	gtc	tcg	gct	gac	tct	aac	1311
His	Ala	Pro	Arg	Leu	Asn	Val	Gly	Val	Ala	Val	Ser	Ala	Asp	Ser	Asn	
		400					405					410				

ggc cat atg aca aca gac agt gtg agc tac gga ttc atc aag cgt gtc 1359
 Gly His Met Thr Thr Asp Ser Val Ser Tyr Gly Phe Ile Lys Arg Val
 415 420 425

gct gat cga tgt ggc tcg acc ttg cag gtc ttc cag att cgt aat gac 1407
 Ala Asp Arg Cys Gly Ser Thr Leu Gln Val Phe Gln Ile Arg Asn Asp
 430 435 440 445

tcc cgt agt ggc ggg act att gga ccc atg acc agt tct cgc att ggc 1455
 Ser Arg Ser Gly Gly Thr Ile Gly Pro Met Thr Ser Ser Arg Ile Gly
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atg agg gcc att gac gtg ggg atc ccg cag ttg agt atg cac agt atc 1503
 Met Arg Ala Ile Asp Val Gly Ile Pro Gln Leu Ser Met His Ser Ile
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 Arg Ala Thr Thr Gly Ser Leu Asp Pro Gly Leu Gly Val Lys Leu Phe
 480 485 490

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 Lys Gly Phe Phe Asp Tyr Phe Glu Glu Val Asp Lys Glu Phe Ala Asp
 495 500 505

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 Phe
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Pro Val Ala Arg Ser Gly Pro Phe Ala Pro Glu Asp Tyr Thr Lys Pro
 35 40 45

Tyr Cys Glu Phe Met Thr Ala Asn Pro Thr Ile Phe His Ala Val Asp
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Gly Phe Thr Arg Gln Leu Glu Ser Gln Gly Tyr Lys Arg Leu Pro Glu
 65 70 75 80

Arg Glu Thr Trp Asn Ser Lys Leu Glu Lys Gly Gly Lys Tyr Tyr Val
 85 90 95

Thr Arg Asn Gly Ser Ala Phe Ile Ser Phe Ser Ile Gly Arg Asp Tyr
 100 105 110

Lys Ser Gly Asn Gly Met Ala Ile Val Ala Gly His Ile Asp Ala Leu
 115 120 125

Thr Ala Lys Leu Lys Pro Val Ser Lys Leu Pro Asn Lys Ala Gly Phe
 130 135 140

Ser Gln Leu Gly Val Ala Pro Tyr Ala Gly Ala Leu Ser Asp Thr Trp
 145 150 155 160

Trp Asp Arg Asp Leu Ser Ile Gly Gly Arg Val Leu Val Gln Asp Ser
 165 170 175

Asn Thr Gly Lys Val Glu Ser Lys Leu Val Lys Leu Asp Trp Pro Ile
 180 185 190

Ala Arg Ile Pro Thr Leu Ala Pro His Phe Gly Ala Pro Ser Gln Gly
 195 200 205

Pro Phe Asn Lys Glu Thr Gln Met Val Pro Ile Ile Gly Val Asp Asn
 210 215 220

Ser Asp Leu Phe Gln Gln Gln Ala Pro Ser Lys Ile Asp Gln Asp Asn
 225 230 235 240

Gly Ile Lys Pro Gly Thr Phe Ala Ala Thr Gln Pro Glu Lys Leu Val
 245 250 255

Lys Val Ile Ser Lys Glu Leu Gly Ile Thr Asp Tyr Ser Ser Ile Ile
260 265 270

Ser Trp Glu Leu Glu Leu Tyr Asp Ser Gln Pro Ala Gln Val Gly Gly
275 280 285

Leu Asp Lys Asp Leu Ile Phe Ala Gly Arg Ile Asp Asp Lys Leu Cys
290 295 300

Cys Tyr Ala Ala Gln Glu Ala Leu Leu Ala Ser Ser Asp Ser Thr Ser
305 310 315 320

Thr Ser Ser Ile Lys Met Val Gly Met Phe Asp Asp Glu Glu Ile Gly
325 330 335

Ser Leu Leu Arg Gln Gly Ala Arg Ser Asn Phe Met Ser Ser Val Ile
340 345 350

Glu Arg Ile Thr Glu Ala Phe Ser Pro Asn Tyr Gly Pro Asn Val Leu
355 360 365

Ser Gln Thr Val Ala Asn Ser Phe Phe Val Ser Ser Asp Val Ile His
370 375 380

Ala Val Asn Pro Asn Phe Leu Gly Val Tyr Leu Glu Asn His Ala Pro
385 390 395 400

Arg Leu Asn Val Gly Val Ala Val Ser Ala Asp Ser Asn Gly His Met
405 410 415

Thr Thr Asp Ser Val Ser Tyr Gly Phe Ile Lys Arg Val Ala Asp Arg
420 425 430

Cys Gly Ser Thr Leu Gln Val Phe Gln Ile Arg Asn Asp Ser Arg Ser
435 440 445

Gly Gly Thr Ile Gly Pro Met Thr Ser Ser Arg Ile Gly Met Arg Ala
450 455 460

Ile Asp Val Gly Ile Pro Gln Leu Ser Met His Ser Ile Arg Ala Thr
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Thr Gly Ser Leu Asp Pro Gly Leu Gly Val Lys Leu Phe Lys Gly Phe
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